

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2005/050407

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61N1/39

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 662 690 A (COLE ET AL) 2 September 1997 (1997-09-02) cited in the application the whole document In particular column 3, lines 17-42; figures 1,2 column 4, line 65 - column 5, line 35	1-15,17, 18
Y	US 2003/055478 A1 (LYSTER THOMAS D ET AL) 20 March 2003 (2003-03-20) cited in the application	1-15,17, 18
X	paragraphs '0014!', '0021!', '0027! paragraphs '0124! - '0127!; figure 4 paragraphs '0158! - '0169!; figures 12-14 paragraphs '0242! - '0246! claim 164	16 -/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

### Special categories of cited documents:

- 'A' document defining the general state of the art which is not considered to be of particular relevance
- 'E' earlier document but published on or after the international filing date
- 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- 'O' document referring to an oral disclosure, use, exhibition or other means
- 'P' document published prior to the international filing date but later than the priority date claimed

- 'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- '&' document member of the same patent family

Date of the actual completion of the international search

18 May 2005

Date of mailing of the international search report

25/05/2005

Name and mailing address of the ISA  
European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Loveniers, K

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2005/050407

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/216785 A1 (EDWARDS D. CRAIG ET AL) 20 November 2003 (2003-11-20) paragraph '0031! paragraphs '0034! - '0036! paragraphs '0043! - '0046!; figure 12 _____	1-18
A	US 5 792 190 A (OLSON ET AL) 11 August 1998 (1998-08-11) the whole document in particular column 3, lines 37-46; figures 2,5 column 5, line 3 - column 6, line 34 _____	1-18
Y	US 2003/028219 A1 (POWERS DANIEL J ET AL) 6 February 2003 (2003-02-06) paragraph '0030! paragraphs '0041! - '0043!; figure 5 paragraph '0073!; figure 14 _____	7-9
Y	US 5 993 219 A (BISHAY ET AL) 30 November 1999 (1999-11-30) cited in the application column 3, lines 42-66; figures 2,3 _____	14,18
Y	US 2002/143366 A1 (HERLEIKSON EARL CLARK) 3 October 2002 (2002-10-03) paragraphs '0009! - '0012! paragraphs '0053! - '0059! _____	10,11
A	US 2003/036044 A1 (PASTRICK JOHN J ET AL) 20 February 2003 (2003-02-20) the whole document in particular paragraphs '0019! - '0021!, '0024! _____	1-18
A	GB 2 386 071 A (* IXA MEDICAL PRODUCTS LLP) 10 September 2003 (2003-09-10) abstract page 3, line 3 - page 4, line 23 _____	1-18

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/IB2005/050407

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 5662690	A	02-09-1997	US	5611815 A		18-03-1997
			AU	4417496 A		26-06-1996
			WO	9617652 A1		13-06-1996
US 2003055478	A1	20-03-2003		NONE		
US 2003216785	A1	20-11-2003	AU	2003243211 A1		02-12-2003
			CA	2485750 A1		27-11-2003
			EP	1503825 A2		09-02-2005
			WO	03097161 A2		27-11-2003
US 5792190	A	11-08-1998	DE	69628378 D1		03-07-2003
			DE	69628378 T2		27-11-2003
			EP	0756878 A2		05-02-1997
			US	5645571 A		08-07-1997
			US	5797969 A		25-08-1998
US 2003028219	A1	06-02-2003	CN	1547494 A		17-11-2004
			EP	1412027 A1		28-04-2004
			WO	03009895 A1		06-02-2003
			US	2004215246 A1		28-10-2004
US 5993219	A	30-11-1999		NONE		
US 2002143366	A1	03-10-2002	CN	1460030 A		03-12-2003
			EP	1372784 A2		02-01-2004
			WO	02076549 A2		03-10-2002
			JP	2004534566 T		18-11-2004
US 2003036044	A1	20-02-2003	US	2004115607 A1		17-06-2004
GB 2386071	A	10-09-2003	AU	2003212519 A1		22-09-2003
			EP	1483015 A1		08-12-2004
			WO	03076005 A1		18-09-2003